

**MEETING SUMMARY, FORMER NANSEMOND ORDNANCE DEPOT (FNOD)
RESTORATION ADVISORY BOARD (RAB)**

To: RAB Members, Interested Parties
From: Adriane James, U.S. Army Corps Government Co-Chair
Sandra Chaloux, CEC, Inc., RAB Facilitator
Re: December 1, 2005 RAB Meeting Summary

RAB Members Present: Adriane James Bruce Johnson Kevin Mattonen Marian “Bea” Rogers David Saunders Carl Serrette Rob Thomson Mike Ispier Bob Williams Kemp Littlefield Cherie Walton Tom O’Grady Tim Fink Debbie Miller	Affiliation: USACE, Govt. Co-Chair Respass Beach Cedar Crest Hall Community Co-Chair Bennett’s Creek Burbage Grant EPA VDOT Dominion Lockheed Martin Reactivities Management Corporation City of Suffolk TCC VDEQ
RAB Facilitator Present: Sandra Chaloux	CEC, Inc.
RAB Members Absent: John Bucklin	GE

Introduction and Welcome/Call to Order

(Sandra Chaloux – CEC, Inc.)

The meeting was called to order and the meeting attendees introduced themselves. No corrections were noted on the October RAB meeting summary.

RAB Business

Government Co Chair Comments (Adriane James)

Adriane welcomed everyone back and thanked the board members for their participation. She encouraged the RAB members to ask questions of any of the Norfolk District employees any time.

Community Co Chair Comments (Bea Rogers)

Bea asked if anyone had contacted the Suffolk cable channel. Gerald Rogers had contacted them. Gerald reported that the local cable channel is ready to post information for free on the upcoming public meeting as soon as we provide them the who, what, when, where and why.

Bea asked about the RAB rule changes. Sandra said she would follow-up on it. (Note: Sandra contacted the DoD contact who is the lead on this and received an email back indicating that DoD is still working on it internally and that they hoped to finalize the rule early in 2006.)

Bea brought information on another contact, the secretary of the Isaac Walton League, for the Corps project team.

Landowner Updates

VDOT – No.

Ashley Capital – George Mears announced that Ashley Capital was scheduled to purchase the GE warehouse property on Dec 15th or 20th. Kevin Hegg said that he or someone else from his organization would be happy to participate on the RAB.

TCC - Tim Fink told the RAB that there have been a rash of thefts on campus. As a result, TCC has been replacing signs and posts out there.

RAB Meeting Schedule – The RAB agreed to reduce the number of RAB meetings each year to 4 and to change the RAB meeting schedule to the first Thursday in March, June, September, and December going forward. The meeting time will stay the same (6:30 p.m.-8:30 p.m.) The new RAB meeting location will be the Lockheed Martin Bridgeway Tech Center 2 Building (7021 Harbour View Boulevard, Suite 105). Public meetings for Proposed Plans will be held on separate nights from RAB meetings.

Track K Proposed Plan Public Meeting

There will be a public meeting for the Track K Proposed Plan on Feb. 2. Tom O’Grady suggested that we try Northern Shores Elementary School for the meeting. (**Note:** We tried Northern Shores Elementary School and were unable to get the meeting room on Thursdays because the school hosts boy scouts activities in the room on Thursdays. We have reserved the Bon Secours conference room for the Feb. 2 public meeting.)

Site Management Plan (SMP)– George said that the Corps would mail hard copies of the new SMP next week to the RAB. It had just been signed earlier that day.

Community Co-Chair Elections

The RAB re-elected Bea Rogers for another 2-year term to serve as the community co-chair. The RAB also selected Bruce Johnson to serve as the alternate community co-chair.

Site Tour

George Mears provided details on the site tour that was held the next morning. The site tour began at 9:45 a.m. and lasted until noon. All were provided safety goggles and hard hats and a safety briefing. The following are the sites that were toured:

- GE Main Burning Ground Mechanical Sifter Site - Brian Hodge of Zapata Engineering (sifter demonstration)
- AOC 22 (Arsenic Investigation Area)—view from GE side in area of GE MW18A (pre-coordination with GE required)
- Nansemond River Beachfront (AOC 1)
- Renovation Plant Area (AOC 23)
- Former Water Treatment Plant (AOC 20) followed by Track J Magazine Line Scars (AOC 12) near James River
- Track K Explosive Magazine –Landfill (AOC 15), followed by drive-by of Track K Explosive Magazine Line Scars (AOC 14), and stop at restored Track K Dump (Tire Pile and Paint Can) Area (S-6)
- TNT Area

Army Corps Update

George Mears introduced Jeff Zoeckler as the Corps’ new Project Engineer for FNOD and Brian Hodge who replaced Cliff Walden at Zapata Engineering and is managing the ordnance crews for the project.

2006 Plan of Action (George Mears – U.S. Army Corps)

Site Management Plan (SMP)– George brought Updated FNOD GIS CDs for the RAB members which also contained the new Site Management Plan. The SMP includes an updated site history, current status of all AOCs, and information on future work planned. It also contains a master plan (schedule, new priority list, new site graphics and an updated Site Map which now includes AOCs 22 & 23). (Note: Hard copies of the plan were mailed to the RAB in early January.)

2006 Plan of Action – Work Plans

The following work plans are anticipated for the FNOD project in 2006:

- TNT Area Groundwater Sampling -Spring
- Arsenic Investigation (AOC 22) -Spring
- James River Beachfront (SA-2) Shoreline Stabilization
- Site Screening Investigation Work Plans:
 - Track J Magazine Line (AOC 12)
 - Former Water Treatment Plant (AOC 20)
 - Track K Magazine Line and Landfill (AOCs 14 & 15)
 - Renovation Plant Area (AOC-23)

Field Work Anticipated in 2006

The following field work is expected at FNOD in 2006:

- Site Screening Investigations for:
 - Track G (AOC 10), Track H & I (AOC 11) – Jan.
 - Track J Magazine Line (AOC 12) - Summer
 - Former Water Treatment Plant (AOC-20) -Summer
 - Track K Magazine Line and Landfills (AOCs 14 and 15) -Fall
 - Renovation Plant Area (AOC 23) -Summer
- TNT Area Groundwater Sampling (Source Area 1) (Summer)
- Arsenic Investigation (AOC 22) (Fall)

Results Anticipated in 2006

The following are the FNOD Project results anticipated in 2006:

- Record of Decision for Track K Dump
- Final Conceptual Site Model (Groundwater/Surface Water)
- RI Report, Proposed Plan and Record of Decision for the James River Beachfront
- Human Health and Ecological Risk Assessment Reports for TCC Lake (AOC-5)
- RI Report, Proposed Plan and Record of Decision –Pesticide Drum Area
- Site Screening Reports:
 - GE Pond and Culvert (AOC-4)
 - Former MCPG Facility (AOC-6)
 - Former Wastewater Treatment Plant Area (AOC 13)
 - Track G (AOC-10) and Track H & I (AOC-11)

Tom O’Grady said that the Pesticide Drum area is the City’s number one priority.

Environmental Study Update (Jeff Zoeckler, USACE)

Jeff said that there are a lot of work plans and field activities coming up next year.

Track K Dump

The Corps is still planning a public meeting for the Proposed Plan for the Track K area on February 2.

Marine Corps Power Generation Plant

The Corps has submitted a site screening process report for this site. There were some low levels of PCBs in some of the soil samples just outside the building and in some of the samples of the building itself. The Corps is discussing this issue with TCC to determine who will be responsible for it. Jeff said he would keep the RAB informed.

Pesticide Drum Area

The Corps is working on the Remedial Investigation Report for the Pesticide Drum area right now. Jeff said that the Corps is hoping to have a proposed plan and decision document for the site in the winter of 2006.

James River Beachfront (JRB)

The Corps is in the process of preparing a Remedial Investigation (RI) Report for the JRB. The goal is to complete the RI report and risk assessments for this project in 2006 and a Proposed Plan in 2007.

AOC 22 Arsenic Investigation

This is a piece of property located just between the Horseshoe Pond and the GE warehouse building. There have been historical detections of arsenic in groundwater at this site. One monitoring well (GE=18A) has had up to 26 ug/l in dissolved phase in this well. There is currently insufficient data to identify the presence of any contributing source for the arsenic. The Corps is developing a work plan to investigate this area to further evaluate arsenic impacts in the groundwater at the site and to determine if a source is present. Jeff said that the Corps hopes to perform the field work for this investigation in the Spring of 2006. The Preliminary Scope of Work includes installation of 5 new monitoring wells, shallow and subsurface soil sampling at each new and existing well location, and a second round of follow-up soil and groundwater sampling based on the first round results. By the next RAB meeting, Jeff said that the Corps will have a more final work plan and an executive summary of the work plan for the RAB to review so that they can provide input on the work plan. Tom O'Grady asked about the location of the new proposed monitoring wells and said that the City is currently reviewing a residential development plan on the parcel that is directly south of GE in the vicinity of the Arsenic Investigation area. (This is not new to the CoE or the RAB as the proposed residential development plan was given and presented to both earlier in 2005, and the proposed residential footprint is displayed in the FNOD GIS disk just provided to the RAB).

Renovation Plant Area (AOC 23)

Jeff showed the RAB the location of the Renovation Plant Area (in the Northwest corner of the site). He showed a 1954 aerial photo of the site and explained some of the areas of interest including a suspected impoundment, a stain, and a possible pit. The Renovation Plant was used to renovate ordnance/shells. The Corps completed a geophysical survey at the site in 2000. During this survey, the field crew found a great deal of anomalies, most of which turned out to be miscellaneous building construction debris. However, the field crew did find and remove discarded military munitions (DMM) and munitions constituents (MC) from 6 locations. There are 3 underground storage tanks (USTs) at 2 locations at this site. The plant has been demolished. Some of the tile flooring remains. The Corps is currently reviewing a work plan and field sampling plan for this site and hopes to complete this in early 2006. Bob asked if the tile flooring contains asbestos. Harry Wheeler said the tile is ceramic. Jeff said that the Corps will focus sampling on the locations where DMM and MC have been removed; the possible pit; stained area; suspected impoundment area; and around the USTs. The tentative sampling plan includes surface and subsurface samples at 11 locations, groundwater samples from 6 existing wells, and up to 14 temporary wells. The Corps will analyze the samples for metals, Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), and explosives. Jeff said that he is hoping to get the RAB's input on the final

work plan for the site at the next RAB meeting. Bruce asked about the age and contents of the USTs. Harry Wheeler said that one was a sewage tank. No one knew the age or contents of the others.

TNT Area

The Corps will be conducting a groundwater investigation of the TNT area in 2006. Data from this sampling effort will be used to support fate and transport models, risk assessments, and remedial alternative analysis. Jeff showed the RAB photos of the TNT groundwater plume in 1995 compared with 2003. In 1995, the TNT concentration in the outer ring of the plume was 80 ppb. In 2003, the TNT concentration in the outer ring was about 5 ppb. The TNT concentration in the groundwater is reducing over time from natural attenuation (conditions). The tentative sampling plan will include sampling 15 existing monitoring wells, analysis for explosives and natural attenuation parameters, microbial cultures evaluation, and 3 soil samples for Total Oxidant Demand. This effort will provide a current understanding of groundwater conditions. Jeff said the Corps will look at several potential remedial alternatives at this site including in-situ biodegradation and in-situ chemical oxidation. The Corps is preparing a Remedial Investigation report for the TNT area concurrently with this groundwater investigation. This study will not require the Corps to remove the cover off the affected soil at the site. Jeff showed the RAB the proposed sampling locations.

Munitions Response Update (Rick Aiken –Waller)

Mechanical Sifter

The mechanical sifter began running on September 6. It is running very well and the field crew is now sifting the debris at six times the manual rate.

Welner Drive

Rick said that all but one grid was complete on TCC property. There is a tremendous amount of scrap metal in the last grid. It will take a few more weeks to complete this grid.

GE Main Burning Ground

There are 23 grids left to finish at the GE Main Burning Ground.

Nansemond River Beachfront (NRB)

The Corps has begun clearing brush at the NRB. The Corps will begin investigating the pits at the NRB for munitions after the holidays. The team plans to surface clear out to Mean Low Water where possible and directly behind the retaining wall. The Corps will also characterize the soils behind the retaining wall.

J Lake

Rick showed a ground scar from a 1956 aerial photo of J Lake. EPA has asked the Corps to look at the lake for munitions. Although there is no archival information indicating there has been any disposal or release of munitions at this site, the Corps will provide construction support during the environmental investigation at the lake. If munitions issues are found during this support, the Corps will conduct a full munitions investigation of the lake.

Track A & B Burning Ground

EPA requested this site to be investigated for MMRP due to ground scaring and burning ground activities. Rick showed some ground scars from a 1956 aerial photo of the site. Although there is no archival information indicating there has been any disposal or release of munitions at this site, the Corps is going to provide construction support during the environmental investigation. If munitions issues are found, the site will be scheduled for a full munitions investigation.

TCC Lake

The Corps wants to investigate two anomalies at TCC Lake, not unlike the anomalies found in the Horseshoe Pond.

Renovation Plant Area, North Athletic Field, J Lake Burning Grounds

These sites are also slated for some additional ordnance investigation.

Recent Munitions Findings

Over the prior two months, the Corps removed 10 DMM items and 916 rounds of small arms at the Main Burning Ground. From January through November this year, the Corps removed 32 DMM items at FNOD. Rick showed photos of some of the recent munitions items that have been found on site (20mm, 40mm, 3" round, and a M48 Fuze).

Zapata does planned detonations of items found on Thursdays between 3 and 4 p.m.

Brian Hodge said that along with CoE and landowner notifications, he provides a courtesy call to the Police Department prior to the detonations in case they receive calls from concerned citizens. In November there were 3 planned detonations.

GIS CDs

The RAB was provided with the GIS CD which includes a site map showing well locations, areas of concern, the Site Management Plan, Newsletters, etc. The Corps welcomes the board's suggestions for next year's CD.

Public Comments

None noted.

FNOD RAB Meeting Schedule for 2006

- March 2
- June 1
- September 7
- December 7

Agenda items for the next RAB meeting (March 2, 2006 –Lockheed Martin building):

- Renovation Plant Work Plan
- TNT Area Work Plan
- Arsenic Investigation
- James River Beachfront update
- Site Management Plan

Meeting Adjourned around 8:45 p.m.

Others Present: Rick Aiken Gerald Rogers Jeff Zoeckler Kevin Hegg Bryan Hodge Bill Hudson Shana Duggins Allison Williams	Affiliation: J.M Waller & Associates USACE PAO USACE Ashley Capital Development Zapata Engineering EPA Community Involvement Army Corps Contractor Suffolk News
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